



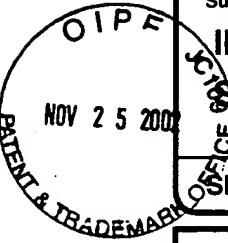
Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



**Substitute for form 1449A/PTO**

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet 5

2

9

**Complete if Known**

Application Number	09/903,458
Filing Date	July 10, 2001
First Named Inventor	Joseph Kuriacose
Group Art Unit	2611
Examiner Name	Brown, Rueben
Attorney Docket Number	5214P001RD

## U.S. PATENT DOCUMENTS

RECEIVED  
NOV 26 2002  
Technology Center 26

## FOREIGN PATENT DOCUMENTS

Examiner Signature	Date Considered	
-----------------------	--------------------	--

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

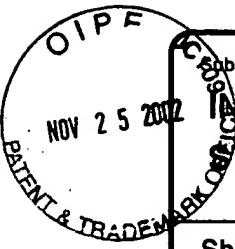
<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/08B (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Sheet **3** of **9**

**Complete if Known**

Application Number	09/903,458
Filing Date	July 10, 2001
First Named Inventor	Joseph Kuriacose
Group Art Unit	2611
Examiner Name	Brown, Rueben
Attorney Docket Number	5214P001RD

**RECEIVED**

Technology Center 2600

**OTHER ART - NON PATENT LITERATURE DOCUMENTS**

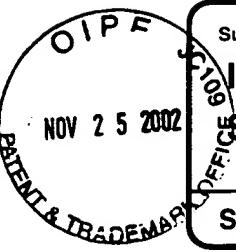
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		SMITHSON, P.M., et al., "The Development of an Operational Computer Based Satellite Data Broadcasting System", Tenth International Conference on Digital Satellite Communications (Conf. Publ. No. 403) Pat vol. 2 p. 405-12 Vol. 2, Publisher IEEE, London, UK, Publication date: 1994 Country of Publication: UK 2 vol. (712) pp.	
		FUJIMOTO, et al., "Matsushit Data Multiplex System For Satellite Communications", Journal: National Technical Report, Vol. 39, No. 3, p.316-23, Publication Date: June 1993, Country of Publication: Japan	
		CHOUINARD, G., "Broadcasting of HDTV: Beyond the Vision Signal", Third International Colloquium on Advanced Television Systems: HDTV '87. Colloquium Proceedings, p. 4/7/1-23, Publisher: CBC Eng, Montreal, Que., Canada, Publication Date: 1988 Country of Publication: Canada 2 Vol. (674+148) pp., p. Vol. 1	
		CHAMBERS, J.P., "BBC Datacast-The Transmission System", Journal: Electronics & Wireless World, Vol. 92, No. 1609, p. 95-8, Publication Date: Nov. 1986, Country of Publication: UK	
		STALLARD, W.G., "Data Broadcasting", Corporate Source: Independent Broadcasting Authority, London, Engl, Source: IBA Technical Review (Independent Broadcasting Authority) n 24, Nov 1988, p 48-49, Publication Year: 1988	
		NISHIZAWA TAIJI, et al., Jpn. Broadcast, Corp, Sci. and Tech. Res. Lab.; Tokyo Broadcast. Syst., Inc.; Matsushitadenkisangyo Eizoonkyojohoken Terebijon Gakkaishi (Journal of the Institute of Television Engineers of Japan), 1994, VOL. 48, NO. 7, PAGE. 794-803, FIG. 4, TBL. 4, REF. 56, JOURNAL NUMBER: F0330ABG, ISSN NO:	
		0386-6831 MUKUHIRA YASUHIRO, et al., Sanyo Electric Co., Ltd., Sanyo Tech Rev, 1990, VOL. 22, NO. 1, PAGE 3-9, FIG. 7, REF 5, JOURNAL NUMBER: F0222AAV ISSN NO: 0285-516X CODEN: STRVD	

Examiner Signature	Date Considered

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 4 of 9

**Complete If Known**

Application Number	09/903,458
Filing Date	July 10, 2001
First Named Inventor	Joseph Kuriacose
Group Art Unit	2611
Examiner Name	Brown, Rueben
Attorney Docket Number	5214P001RD

RECEIVED  
NOV 26 2002  
Technology Center 2600

**OTHER ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		BEREITER, PHILIPS, "Video-on-Demand vor, Blick durch die Wirtschaft - Beilage zur Frankfurter Allgemeinen Zeitung, v37, n71 13.04.94, pp8, 1994	
		STALLINGS, WILLIAM, "Consultative Committee on International Telegraphy and Telephony", Telecommunications, v24, n3, p29(5), March, 1990	
		RICHARDS, T., et al., "The Interactive Island-Singapore's Televi System", Journal: IEEE Review Vol. 37, No. 7 p. 259-63, Publication Date: 18 July 1991 Country of Publication: UK	
		MULNER, H., et al., "Modern Videotex Services and Interactive Telesoftware", Inst. for Info Process., Tech. Univ. Gaz, Austria, Videotex International, Proceedings of the Conference p. 345-51, Publisher: Online Int. Pinner, UK, Publication Date: 1985 Country of Publication: UK xiv+404 pp.	
		YANG, D.J., et al., "Proposed Home Information System in Taiwan: Videoinfo system", Industrial Technology Research Inst, Hsinchu, Taiwan, Chicago, IL, USA, Digest of Technical Papers- IEEE International Conference on Consumer Electronics 1994. IEEE, Pisataway, NJ, USA, 94CH3363-9. P 178-179, Publication Year: 1994	
		ANON, "Conference on Electronic Delivery of Data and Software", London, Engl Conference Date: 19860916, Sponsor: IERE, London, Engl, Publ Inst Electron Radio Eng n 69. Publ by IERE, London, Engl 145p	
		VAN DEN BOOM, HENRIE, "Interactive Videotex System For Two-Way CATV Networks", Eindhoven Univ of Technology, Eindhoven, Neth, AEU, Archiv fue Elektronik & Uebertragungstechnik: Elect. & Com. v40 n 6 Nov-Dec 1986 p 397-401, Publ. Year: 1986	

Examiner Signature	Date Considered
--------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

\*Unique citation designation number. \*Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	09/903,458
				Filing Date	July 10, 2001
				First Named Inventor	Joseph Kuriacose
				Group Art Unit	2611
				Examiner Name	Brown, Rueben
				Attorney Docket Number	5214P001RA
Sheet	5	of	9	NOV 26 2002	

OTHER ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.'	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>
		PONGRATZ, HANNS JOERG, "Computer Graphics in Videotex", Technischen Univ Grax, Inst fuer Informationsverarbeitung, Grax, Austria, Angewandte Informatik, Applied Informatics v. 27 n 6 Jun 1985 p 232-238, Publication year: 1985				
		Representative ITV services. (Interactive Television) (Is ITV Here to Stay?), Byte, v18, n2, p141(1), Feb, 1993				
		WOOLNOUGH, ROGER, Televiws Puts Datacom On Screen - Hybrid videotex melds phone, TV, Electronic Engineering Times, 1988, N 499,49, Publication Date: 880815				
		BROWN, L.J., et al., "BBC Telesoftware-3 Years On", Affiliation: BBC Enterprises Ltd., London, UK, Conference on Electronic Delivery of Data and Software, (Publ. No. 69) p. 35-8, Publisher: IERE, London, UK, Publication Date: 1986 Country of Publication: UK 160 pp.				
		GUENOT, A., "CIDAC: Integrated Circuit For Acquisition and Control (In Teletext)", RTC-Compelec, Paris, France, Journal: Acta Electraonica Vol. 27, No. 1-2 p. 139-44, Publication Date: 1985 Country of Publication: France				
		SMITHSON, P.M., et al., "The Development of an Operational Computer Based Satellite Data Broadcasting System", Plymouth Univ., UK, Tenth International Conference on Digital Satellite Communications (Con. Publ. No. 403) Part Vol. 2 p. 405-12 Vol. 2, Publisher: IEEE, London, UK, Publication Date: 1994 Country of Publication: UK 2 Vol.				
		D'AMATO, P., et al., "DATAVIDEO: the New Data Broadcasting System Through Television Channels", TELEVIDEO RAI, Roma, Italy, Journal: Electronica e Telecommunicazioni Vol. 40, No. 2 p. 65-74, Publ. Date: Aug. 1991 Country of Publication: Italy				

Examiner Signature	Date Considered
--------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

\*Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →  +

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



Substitute for form 1449A/PTO  
**INFORMATION DISCLOSURE  
 STATEMENT BY APPLICANT**

Sheet  of  9

**Complete if Known**

Application Number	09/903,458
Filing Date	July 10, 2001
First Named Inventor	Joseph Kuriacose
Group Art Unit	2611
Examiner Name	Brown, Rueben
Attorney Docket Number	5214P001RD

**RECEIVED**

NOV 26 2002

Technology Center 2600

**OTHER ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		OHTSUKI, M., et al. "Experimental Receiving System For TV-Multiplexed Data Broadcasting", R& D Lab., NEC Home Electron. Ltd., Tokyo, Japan , Journal: NEC Technical Journal Vol. 42, No. 5 p. 10-15, Publication Date: April 1989 Country of Publication: Japan	
		TEMESI, A., et al., "Telesoftware-The Simple Way", Inst. of Telecommun. Electron., Budapest Tech. Univ., Hungary, Publisher: North-Holland, Amsterdam, Netherlands, Publication Date: 1988 Country of Publication: Netherlands x+225 pp.	
		STOW, R.G., "Receiving Conditional Access Teletext", Philips Consumer Electron., Croydon, UK, IEEE Colloquium on Encryption for Cable and DBS' (Digest No. 24) p.5/1-4, Publisher: IEEE, London, UK, Publication Date: 1986, Conference Location: London, UK	
		OHTSUKI MITSUHIRO, et al. "Experimental Receiving System For TV-Multiplexed Data Broadcasting", NEC Home Electronics Ltd., R & O Labs, NEC Giho (NEC Technical Journal), 1989, VOL. 42, No. 5, PAGE. 10-15, FIG. 12, TBL. 2, REF.5	
		COMINETTI M., et al., "Data Broad Casting Services", cent. ric., Torino Italy, Journal: Electronica e Telecomunicazioni, 1990, 39 (2) 83-88, Country of Publication: Italy	
		GORETA, LUCAS, et al., "E/Television Program Management System"	
		COHEN, THOMAS ANDREW, et al., "E/Distributed Database System And Database Receiver Therefor"	

Examiner Signature	Date Considered
--------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

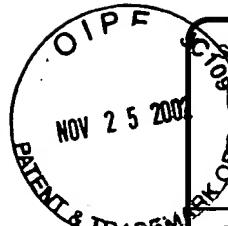
<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

PTO/SB/08B (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete If Known</b>	
Sheet	7	of	9	Application Number	09/903,458
				Filing Date	July 10, 2001
				First Named Inventor	Joseph Kuriacose
				Group Art Unit	2611
				Examiner Name	Brown, Rueben
				Attorney Docket Number	Technology Center 2600 5214P001RD

**RECEIVED**

NOV 26 2002  
Technology Center 2600

<b>OTHER ART - NON PATENT LITERATURE DOCUMENTS</b>		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		EITZ, GERHARD "E/Method For Transmitting Periodically Repeated Teletex Data in a Television Receiver"
		BONICEL, PIERRE et al., "E/Device For The Intelligible Consultation of Data Relating to The Fees Programs of a Subscription Television and/or Radio Service"
		BUGG, RICHARD E.F. et al., "E/Ideographic Teletext Transmissions"
		BLATTER, HAROLD et al, "E/Second Video Program; TELEVISION RECEIVER"
		YEE, KEEN Y. et al., "E/TV Data Capture Device"
		PULLEN, IRAN R. et al., "E/Data Transmission in Active Picture Period"
		YEE, KEEN Y. et al., "E/Digital Data Capture For Use With TV Set or Monitor"

Examiner Signature	Date Considered
--------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → +

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 8 of 9

## Complete If Known

Application Number	09/903,458
Filing Date	July 10, 2001
First Named Inventor	Joseph Kuriacose
Group Art Unit	2611
Examiner Name	Brown, Rueben
Attorney Docket Number	5214P001RD

RECEIVED

NOV 26 2002

Technology Center 2600

## OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.'	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		BURK, J. ROBERT., et al, "E/Apparatus For Downloading Macro Programs and Executing a Downloaded Macro Program Responding to Activation of a Single Key; INFORMATION RETRIEVAL VIDEO TEXT SYSTEM"	
		BRANDON, DANIEL et al., "E/Method and Apparatus For Providing Interactive Retrieval of TV Still Frame Images and Audio Segments"	
		KINGHORN, JOHN R. et al., "E/Video Cassette Recorder Programming Via Teletext Transmissions"	
		YEE, KEEN Y. et al., "E/TV Data Capture Device"	
		MURRAY, BURCE et al., "E/Method and Apparatus For Handling Data in Television Signals"	
		BRENNAND, PETER R. et al., "E/Apparatus For Receiving Digital Sound/Data Information"	
		WHITAKER, RANALD O., et al., "E/Quinews-Electronic Replacement For the Newspaper; SYSTEM FOR DISTRIBUTING NEWS"	

Examiner Signature	Date Considered
--------------------	-----------------

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

\*Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →

PTO/SB/08B (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet

9

of

9

## Complete if Known

Application Number	09/903,458
Filing Date	July 10, 2001
First Named Inventor	Joseph Kuriacose
Group Art Unit	2611
Examiner Name	Brown, Rueben
Attorney Docket Number	5214P001RD Technology Center 2600

RECEIVED

NOV 26 2002

OTHER ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		TANABLE, TOSHIYUKI et al., "E/Sync Apparatus For Image Multiplex Transmission System"
		FUKUSHIMA, NOBUO et al., "E/Display Unit"
		HAGUE, DUANE O., et al., "E/Extracting Digital Data From a Bus and Multiplexing it With a Video Signal"
		FILLIMAN, PAUL D., et al., "E/Teletext Decoder Having a Register Array For Operating on Pixel Words"
		CHIN, TOMMY P., et al., "E/Teletext Decoder Using a Common Memory"
		BARDA, JEAN F., et al., "E/System For Digitally Transmitting and Displaying Texts on Television Screen"

Examiner Signature	Date Considered
--------------------	-----------------

**Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.